

## NAT I Medical Quantitative

Sr	Questions	Answers Choice
1	If $x + 3y = 7$ and $2x + y = 5$ then value $x/y$ is?	A. 1/2 B. 1/3 C. 2/5 D. 8/9
2	The average height of five men is 68 inches. If one man is 70 inches tall and three other have an average of 67 inches, the height of the fifth man, in inches, is:	A. 68 B. 69 C. 70 D. 71
3	$Z + 1/Z = 2$ ; $Z = ?$	A. 2 B. 1 C. 1/2 D. 1 1/2
4	If $x\% \text{ of } 60 = 48$ , then $x = ?$	A. 80 B. 60 C. 90 D. 40
5	Find the value of $x$ if $3 : b = x : c$ .	
6	Question Image	A. 5 B. 10 C. 110 D. 125
7	$(x+y)^2 = 25$ and $x^2 + y^2 = 13$ then $xy$ is equal to?	A. 16 B. 20 C. 18 D. 6
8	$5/3 + 7/6 + 9/3 + 7/2 = ?$	A. 28/3 B. 112/3 C. 28/12 D. 14/7
9	$(60)^2 = ? \times 72$	A. 3600 B. 3528 C. 0.02 D. 50
10	A factory employs $M$ men and $W$ women. What part of its employees are women ?	A. $W/(W+M)$ B. $W/M$ C. $(W+M)/M$ D. $M/W$
11	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	A. 20.7 B. 21 7/8 C. 1.47 D. 31.7
12	Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the age of 8. Find their average age.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
13	The population of a city increased in two years from 25,000 to 30,000; find the percent increase during the time.	A. 10% B. 20% C. 40% D. 5%
14	$816 - 288 \div 24 = ?$	A. 22 B. 828 C. 528 D. 804
15	Dave is twice as old as Bob, who is 3 years older than Steve. If Steve is $4a$ years old, Dave's age is	A. 8a B. 22a C. 14a D. $8a + 6$
16	What is the number of 5% of which is 10 ?	A. 200 B. 100 C. 50

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17 In solving an arithmetic example, Donna, by mistake multiplied by 6 instead of dividing by 6. If her answer was  $13\frac{1}{5}$ , what should be the correct answer to the example ?

A. 2 8/11  
B. 5/66  
C. 2 1/5  
D. 11/30

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18 The value of  $(x+y)^2 + (x-y)^2$  is?

A. 4  
B.  $2(x^2+y^2)$   
C.  $4xy$   
D.  $-4xy$

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19 If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours ?

A. 8000  
B. 9000  
C. 300  
D. 900

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20 The average of x, y, z and 40 is 10. What is the average of x, y, and Z.

A. 10  
B. 0  
C. 2  
D. 15

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